New Instruments and Means of Automation for Nonferrous Metallurgy

8/119/60/000/008/003/008 B019/B056

measurement is between 1-320 mg/l. A temperature measuring instrument of the type NTB-275m (ITV-275m) is provided for the continuous temperature measurement of the surface of the rollers of cold-rolling plants having a diameter of 160 mm and more. Here, the air temperature is measured by means of thermistors in the immediate neighborhood of the roller surfaces. The hygrometer of the type HB(IV) for determining air and gas moisture operates with a sensitive element of microporous ebonite, a high-resistance bridge having been developed for measuring the transmitter resistance. The instrument of the type MKPT-445 (IKRP-445) for measuring the concentration of mercury vapors in air consists of a two-part cell, One part of the cell is filled with pure air and hermetically sealed, while air passes through the other part. In both parts, the absorption of the light of a mercury vapor lamp is determined by means of a photocell. If mercury vapor occurs in the air, the photocurrent receives an alternating-current component which is electronically amplified. There are 8 figures.

Card 3/3

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065520017-3"

ZUBKOV, G.A., inzh.; KHYUGHKOV, V.V., inzh.

Review of the book by D.S. Maidan and others "Hackanisation and automation of industrial processes in mines." Gor. zhur. no.7:76

Jl. '64.* (MIRA 17:10)

ACCESSION NR: AP4033683

5/0118/64/000/004/0001/0007

AUTHOR: Zubkov, G. A. (Director)

TITLE: Automation of processes in nonferrous metallurgy

SOURCE: Mekhanizatsiya i avtomatizatsiya proizvodstva, no. 4, 1964, 1-7

TOPIC TAGS: automation, metallurgy, nonferrous metallurgy, automation in nonferrous metallurgy

ABSTRACT: The introduction of automation in some Soviet nonferrous-metallurgy plants is reported. At the Chimkent Lead Plant, the charging of shaft furnaces was automated, covering all operations of preparing, handling, and charging the mixture; an error of ±3% for the automatic batcher involved and a 50% reduction in personnel are claimed. Also, cloth dust collectors (bag filters) were automated at the same plant. At the Ural Aluminum Plant, an experimental KUA-670 system of central supervisory control of Al electrolyzers was tested;

Card : 1/2

ACCESSION NR: AP4033683

the system was developed under the direction of KB TsMA (Design Eureau of Nonferrous Metal Automation). At the "Severonikel" Combine, an automatic cell-voltage monitoring system "Nikel" was placed in operation in 1963; the system is able to scan up to 300 points. At the Kanaker Aluminum Plant, an experimental system of automatic hauling and distribution of alumina is being readied (Apré4) for operation. At the Elektrotsink Plant (near Ordzhonikidze), automatic control of the rotary furnaces used for producing Zn and Pb oxides was installed. The mix-preparing departments "were automated" at the Chimkent plant, Yuzhuralnikel Combine, Elektrotsink, Ukrtsink, Yenakiyevo Metallurgical Plant, and other factories. A few components used in the automation of the above plants are briefly characterized. Orig. art. has: 6 figures.

ASSOCIATION: none

SUBMITTED: 00

DATE ACQ: 07May64

ENCL: 00

SUB CODE: MM, IE

NO REF SOV: 000

OTHER: 000

Card 2/2

ZUBKOV, G.A.

New automation equipment. Gor. shur. no.1:68-69 Ja 64.

(MIRA 17:3)

1. Konstruktorkove byuro TSvetmetavtomatika, Moskva.

ZUBKOV, G.A.

Means of automation for crushing and flotation departments of one dressing plants. Gor. zhur. no.5:52-55 My 165. (MIRA 18:5)

1. Direktor Konstruktorskogo byuro TSvetmetnytonatike.

DIOMIDOVSKIY, Dmitriy Aleksandrovich; ZUBKOV, G.A., red.; BUHOV, A.I., red.; KORENDYASEV, G.V., red.

[Control and automation of processes in nonferrous metallurgy] Kontrol' i avtomatizatsiia protsessov v tsvetnci metallurgii. Moskva, Metallurgiia. Pt.l. 1965. 376 p. (MIRA 18:7) "APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065520017-3 CIA-RDP86-00513R002065520017-3"

ZUBKOV, G.A., inzh.; FEYGIN, V.I., inzh.

Over-all mechanization and automation is the decisive factor in the future growth of labor produtivity in mines. Gor. zhur. no.6:3-6 Je '62. (MIRA 15:11)

1. Konstruktorskoye byuro TSvetmetavtomatika, Moskva.

(Mining engineering—Equipment and supplies)

(Automation)

(Labor productivity)

ZUBKOV, G.A.

New instruments and equipment for automatic control in the nonferrous metallurgy. Priborostroenie no.8:9-12 Ag 60.

(MIRA 13:9)

2.1.11111

(Electric controllers) (Electronic control) (Nonferrous metals...-Metallurgy)

SOV/136-58-6-2/21

Burov, A.I., Zubkov, G.A. and Shterenberg, Ye.I. AUTHORS:

Automation of Some of the Main Processes in Non-ferrous Metallurgy (Avtomatizatsiya nekotorykh osnovnykh tekh-TITLE:

nologicheskikh protsessov v tsvetnov metallurgii)

Tsvetnyye Metally, 1958, Nr 6, pp 5 - 14 (USSR) PERIODICAL:

Although the bedding system of charge proportioning has been adopted at some works, most rely on a bunker system. ABSTRACT:

The KB Tsvetmetavtomatika is concentrating its efforts on the automation of bunker systems. One of the requirements for this, state the authors, is level indicators and the KB TsMA have developed three types: type UEM-151 electromechanical three-position indicator (experimental batches of this are being produced); types ES-1000 and ES-1001 in a dust- and moisture-proof case and in a light, portable case, respectively, which are based (Figure 1) on the electronic amplification of a current passing through the charge if present at the given level and have been successfully tested; type URP radioactive level

indicators based on the installation of gamma-relays at different levels and linked with the bunker-charging system. The KB TSMA have also developed a belt weigher,

type VI-58m, for feed ranges of 0-30, 0-75 and 0-200 t/h

Card1/4

SOV/136-58-6-2/21

Automation of Some of the Main Processes in Non-ferrous Metallurgy

(Figure 2); for smaller ranges (0-300, 0-1000, 0-3000 and 0-5000 kg/h), type VI-159 has been developed. For summing the feed rates of several belt-weighers, the KB TsMA have developed types RS-31 (Figure 5) and RRS-260 summing solid flowmeters based on electronic automatic bridges. For regulating the feed rate of a major component directly while keeping the rates of the others in constant ratios to this, a standard quantity-regulator (type IR-130 or ERK-77) is connected to the RS-31 instrument used for the major component. RRS-260 meters with standard ratio regulators (type ERS-67) are used for the other components.

The major feed rate can be controlled by, e.g. a suitable signal related to the productivity of the sinter strand via a type BO-264 transducer block. The author mention the work at the Chimkent Lead Works in which compressedair nozzles are provided at three levels in the bunkers for preventing sticking of materials in bunkers by blowing for 0.5-1 sec into successive layers until the sticking has been eliminated; if this fails, the whole feed system automatically stops. At that works, the

Card2/4

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065520017-3 APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065520017-3"

en de la comitación de la La compositiva de la comitación de la comi

SOV/136-58-6-2/21 hutomation of Some of the Main Processes in non-ferrous Metallurgy

productivity of the sintering machine is said to have increased by 6-8% and a saving of at least 2.5 million roubles is said to have been effected through the automation (costing 0.8 million roubles) carried out in 1957 by the KB TsMA. The automation of crushing and sintering operations at the old plant at Yuzhuralnikel' is now being completed and plans have been drawn up for the integrated automation of the new plant; at the Severonikel' plant, the planning of the automation of the charging sector of the electric smelting plant has been completed. The authors list the requirements for the integrated automation of sintering and describe the decisions made by the KB TsMA for the automatic control of the following units of the new Yuzhuralnikel' plant; bin charging (Figure 4); mosture additions; charge-height on cut-off plate (Figure 5); ignition temperature; strand speed (in relation to most window temperature) relation to peak windbox temperature); fan-motor power; materials flows. Dealing with the integrated automation of shaft furnaces, the authors mention experimental work by the KB TsMA on a small experimental furnace at the Yuzhuralnikel' Combine; the results and those obtained

Card3/4

SOV/136-58-6-2/21

Automation of Some of the Main Processes in Non-ferrous Metallurgy

by the Gintsvetmet and Gipronikel' Institutes showed that with open-top furnaces only some operations could be automated. The KB TsMA together with the Giprotsvetmet and Uzbekgiprotsvetmet Institutes are working on charging automation at the Chimkent Lead Works and with the Gipronikel' Institute on designs for the smelting-plant reconstruction at the Yuzhuralnikel' Combine. An automatic stockline-depth indicator has been designed (Figure 7). An automatic system for closed-top furnace charging (Fig. 8) has also been devised based on experience in East Germany; work on this is being carried out by the Kavkazgiprotsvetmet and the Gipronikel' Institutes for the "Elektrotsink" and the Novo-Ufaleyskiy Nickel Works, respectively. There are 8 figures.

ASSOCIATION: KB Tsvetmetavtomatika

Card 4/4

ANFILOV, A.A., inzh; BAKALEYNIK, Ya.M., inzh.; BIRGER, G.I., inzh.; BRUK, B.S., inzh.; BUROV, A.I., inzh.; GINZBUNG, V.L., inzh.; ZABELIN, V.L.. inzh.; ZAPLECHNYY, Ye.G., inzh.; KSAYEV, D.V., inzh.; KLIMOVITSKIY, A.M., inzh.; KRYUGEKOV, V.V., inzh.; KOTOV, V.A., inzh.; LEYDERMAN, A.Ye., inzh.; FODGOYETSKIY, M.L., inzh.; SAZHAYEV, V.G., inzh.; SEVASTAYANOV, V.V., inzh.; FILIPPOV, S.F., inzh.; FROMBERG, A.B., inzh.; SHNEYEROV, M.S., inzh.; ERLIKH, G.M., inzh.; VERKHOVSKIY, B.I., red.; ZIBKOV, G.A., red.; KARKLINA, T.O., red.; OVCHARENKO, Ya.Ya., red.; ANTONOV, B.T., ved., red.

[New means of automatic and centralized control for nonferrous metal mines] Novye sredstva avtomatizatsil i dispetcherskogo upravleniia dlia rudnikov tsvetnoi metallurgii. Moskva, Nedra, 1965. 93 p. (MIRA 18:4) "APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065520017-3"

ZUBKOV, G.A.

Automation of technological processes in the nonferrous metallurgy. Mekh. i avtom. proizv. 18 no.4:1-7 Ap'64. (MIRA 17:5)

1. Direktor Konstruktorskogo byuro "TSvetmetavtomatika."

ZUBKOV, G.A.

New derices and means for automatic control. Pribocostroenie no.12:21-23 P363. (MIRA 17:6)

80V/136-58-6-3/2**1**

Averbukh, M.A., Burnashev, A.A., Birger, G.I., Baysh, L.G., AUTHORS:

Zubkov, G.A., Zhiryakov, N.I., Isayev, D.V., Ovcharenko,

Ye. Ya., Fromberg, A.B. and Shneyerov, M.S.

New Means for Automatic Testing and Control in Nonferrous Metallurgy (Novyye sredstva avtomaticheskogo TITIE:

kontrolya i regulirovaniya v tsvetnoy metallurgii)

Tsvetnyye Metally, 1958, Nr 6, pp 15 - 25 (USSR) PERIODICAL:

Many processes in non-ferrous metallurgy involve corrosive ABSTRACT:

media and the Konstruktorskoye byuro (Design Bureau)

Tsvetmetavtomatika (KB TsMA) have since 1955 been working on pneumatic control methods, which are especially

suitable for such conditions. Other organisation named by the authors as some of those working in the same

field are: Institut avtomatiki i telemekhaniki AN SSSR

(Institute of Automation and Telemechanics of the Ac. Sc. USSR), NIITeplopribor, TsLA of the "Energochermet" Trust and the "Tizoribor" Works. A wide range (Table 1)

is covered by the pneumatic transducers, produced by

the KB TsMA (Figures 1 and 2) in which use is made of a

corrosion-resistant Soviet plastic. A series of corrosion-

resistant valves have also been produced (Table 2),

including a diaphragm type with a position indicator Cardl/4

LINA DISCONNESS (PROSECULE RESSENTANTE DE LA RESPONTANTE DE LA RES

New Means for Automatic Testing and Control in Non-ferrous Metallurgy

(Figure 3). For the continuous analysis of hydrometallurgical solutions, the KB TsMA in 1957 developed (Figure 4) an automatic polarographic concentrationmeter, type KAP-225, with a transducer type DAPK-226: this device has been successfully used at the "Elektrotsink" Works for analysing for cadmium in zinc electrolyte and is based on alternating-current polarography. KB TsMA have developed a series of radioactive methods, particularly for level indication over a wide (type URF) (Figure 5) and a relatively narrow (type URPR) (Figure 6) range. A radioactive density-meter, type PR-150, independent of the mineralogical and size composition of pulp over a wide range has been successfully tested at the Zolotushinskaya obogatitelinaya fabrika (Zolotushinskaya Beneficiation Works) (ranges 1.5-2.5 and 1-2 kg/litre) Work is proceeding on other radioactive meters including a moisture meter, for concentrates and similar materials. Based on/corrosion-resistant, differential, thermoelectric anemometer (electrical circuit proposed by engineers V.A. Drozdov and A.M. Listov), a flowmeter for pure or air-diluted chlorine has been developed by the

Card2/4

SOV/136-58-6-3/21 New Means for Automatic Testing and Control in non-ferrous Metallurgy

they have also developed an analyser (type GaKh-239) for chlorine which is accurate to ± 3% and these KB TsMA: two instruments are to be used in an integrated automation system being devised for the magnesium industry. KB TsMA have developed an automatic installation for (Figures 7 and 8) controlling a single pump in relation to the liquid level. Another recent activity of this organisation has been the development of the type ATV-229 overheating protective device (Figure 9) and a twelve-point temperature signalling device (Figure 10). The ATV-229 device is to be produced by the Tavetmetpribor Works. In collaboration with the Institut gigiyeny truda i profzabolevaniy AMN SSSR (Institute of Work Hygiene and Occupational Diseases of the AMS USSR), the KB TaMA have developed a device (Figure 11) for continuous measurement and recording of mercury-vapour concentration in air in the range $0.1 - 0.6 \text{ mg/m}^3$. This instrument (IKRP-445) (Figure 11) also gives an alarm signal if the concentration becomes excessive and its range is being extended in both directions.

Card3/4

BOV/136-58-6-3/21

New Means for Automatic Testing and Control in Non-ferrous Metallurgy

There are 11 figures.

ASSOCIATION:

KB Tsvetmetavtomatika

Card 4/4

ZUBKOV, G.A.

Hew means of automatic control and traffic centrol produced by the testing establishments of the Construction Eureau of Automatic Control in Nonferrous Metal Mines. Gor. zhur. no.8:46-48 Ag '63.

(MIRA 16:9)

1. Konstruktorskoye byure TSvetmetavtematika, Muskva.
(Automatic centrel)
(Mine communications—Equipment and supplies)

ZUBKOV, G.A.

Result of the introduction of automation and contralized control at the Degtyarsk Mine. Gor. shur. no.2:49-52 F '61. (MIRA 14:4)

1. Direktor konstruktorskogo byuro TSvetmetavtomatilm.

(Automatic control) (Degtysrsk---Copper mines and mining)

APPROVED FOR RELEASE: Thursday, September 26, 2002

APPROVED FOR RELEASE: Thursday, September 26, 2002

CIA-RDP86-00513R002065520017-3*

ZUBKOV, G.A.; FBYGIN, V.I.

Automatization and dispatcher control in mining enterprises. Gor.

zhur. no.11:64-72 N '57.

(Mining engineering) (Automatic control)

AVERBUKH, M.A.; BURNASHEV, A.A.; BIRGER, G.I.; BAYSH, L.G.; ZUEKOV, G.A.; ZHIRYAKOV, M.I.; ISAYEV, D.V.; OVCHARRUKO, Ye. Te.; FEGHBERG, A.B.; SHWEYEROV, M.S.

New means of automatic control and regulation in nonferrous metallurgy. TSvet. met. 31 no. 6:15-25 Je *58. (MIRA 11:7)

(Nonferrous metal industries)

(Automatic control)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065520017-3 APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065520017-3"

BUROV. A.I.; ZUBKOV, G.A.; SHTEREHBERG, Ye. I

Automatizing certain basic technological processes in the nonferrous industry. TSvet. met. 31 no. 6:5-14 Je 158. (MIRA 11:7)

1. Konstruktorskove byuro TSvetmetavtomstika.
(Nonferrous metal industries)
(Automatic control)

оре6-00513R002065520017-3 CIA-RDP86-00513R002065520017-3" ember 26, 2002 ZUBKOV, G.A

127-11-10/12

AUTHORS:

Zubkov, G.A. and Feygin, V.I.

TITLE:

Automation and Dispatching in the Ore-Mining Enterprises (Avtomatizatsiya i dispetcherizatsiya na gornorudnykh predpriyatiyakh)

PERIODICAL:

Gornyy Zhurnal, 1957, # 11, pp 64-72 (USSR)

ABSTRACT:

The authors describe the work performed by the Designing Bureau of the "Tsvetmetavtomatika" Trust (KE UMA) on the automation and dispatcher control of processes in the ore-mining enterprises. Designs and schemes of the developed equipment are briefly described. A set of signalization, Contralization and blocking equipment for the control of underground transport, CUB, has been contructed. The set includes: a dispatcher panel, relay-cases, inlet-distributing boards, devices for communication with portable and stationary objects, switch drives, traffic lights, relay and cable cases, pulse indicators, etc. Thelarge-scale manufacture of this equipment has begun in the "Tsvetmetpribor" Plant in Nal'chik. Automatic ventilation doors for the mines of non-ferrous metallurgy have been designed to operate concurrently with the CHE - and dispatcher systems. The door is moved by a 180-w electric motor. New communications means have been constructed for dispatcher control: loudspeaking communication apparatus of the HICH

Card 1/3

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065520017-3
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065520017-3

Automation and Dispatching in the Ore-Mining Enterprises

127-11-10/12

3-120 type for underground operation which contains only semiconductor elements; high-frequency installations for loudspeaking communication of the B49-lm type high-frequency installation for information, search and communication of the BCO -124 type, etc. High-frequency equipment with semiconductor elements for communication with a moving shaft cage has been constructed and put into operation in one mine in Degtyarka. At the present time, a system of automatic and remote control of shaft mechanisms is being designed; only one worker, the cager, will be needed to operate mechanisms in all horizons of a mine. As soon as television sets are installed in all the horizons, the operation of shaft mechanisms and the mine carexchange will be carried out automatically, even without a cager. In 1955, Tsvetmetavtomatika and Gintsvetmet designed standard installations for the automation of mining pumping. Since 1956 these installations have been manufactured by the Tsvetmetpribor Plant. Tsvetmetavtomatika has designed ATB-229 apparatus for temperature protecting of electric motor windings and bearings by means of thermistors connected with relays. The relays can be fixed for various critical temperatures from 80° to 110° C with intervals of 10° . Experimental consignments of these devices with TP -33 thermistors are being manufactured

Card 2/3

"APPROVED FOR RELEASE: Thursday, September 26, 2002
APPROVED FOR RELEASE: Thursday, September 26, 2002
CIA-RDP86-00513R002065520017-3"

CIA-RDP86-00513R002065520017-3"

Automation and Dispatching in the Ore-Mining Enterprises

127-11-10/12

by the Tsvetmetavtomatika, and beginning from 1958 their mass production is planned in the L'vov plant "Termopribor". Tsvetmetavtomatika together with the Degtyarka Mining Administration are developing a system of electric locomotives remote control from a switchboard located at a loading (or unloading) point. Tsvetmetavtomatika carries out designing, manufacturing and introducing dispatcher control systems into operational mines. Standard devices manufactured by industry are used for this dispatcher control. However, some special indicators have been designed and are being designed for the control of some parameters. In particular, a special gamma-relay has been developed for the control of the ore level in hoppers. The relay operates on semiconductor elements and cobalt radioisotopes. The article contains 10 photos, 1 figure and 10 Slavic references.

AVAILABLE:

Library of Congress

Card 3/3

ZUBKOV, G.k.

Fork of the construction bureau "Tsvetmetavtomatika" on the automation of technological processes at nonferrous metallurgy plants and factories. Tivet. met. 38 no.6x1-5 Je '65. (MIRA 18:10)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065520017-3"

ZUBKOV, G.A.

Automation should meet the challenge of new objectives. Gor. zhur.
no.8:3-6 Ag '65. (MIRA 18:10)

1. Direktor konstruktorskogo byuro TSvetmetavtomatika.

CREBENNIKOV, O.F.; MYASNIKOV, S.I.; KARELIN, Yu.A.; ZUBKOV, G.A.

Attachment to the 163-2 "Kiev" motion-picture camera for semiautomatic control of the lens diaphragm. Trudy LIKI no.11:35-38 464.

(MIRA 18:10)

1. Kafedra kinofotoapparatury Leningradskogo instituta kinoinzhenerov.

ं र प्राप्त - स्पूर्णास स्वास्थान । स्

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065520017-3 CIA-RDP86-00513R002065520017-3"

MEDVINSKIY, Ye.O., kand.med.nauk; ZUBKO, G.I.; TOPCHIY, M.G. (Kiyev)

Treatment of peptic ulcer patients with serum "F". Vrach.delo no.10: 1079 0 159. (HIRA 13:2)

1. Doroshnaya ob"yedinennaya bol'nitsa No.2 Yugo-Zapadnykh sheleznykh dorog. (PEPTIC ULCER)

(SERUM THERAPT)

Treating gastric and duodenal peptic ulcer with lary blood combined with bromine and novocaine. Vrach.delo no.2:195 # '59. (MIRA 11:3)

1. Dorozhnaya ob"yedinennaya bol'nitaa No.2 Yugo-mapadnoy shelemnay dorogi.

(PEPTIC ULCER) (BLOOD AS FOOD AND NEDICINE)

28(5)

SOV/32-25-8-36/44

STRUCK CITED

AUTHORS:

Druz', B. I., Zubkov, G. S., Kulagin, V. D., Magula, V. E.,

Rasskazov, Ye. V., Tsukerberg, B. I.

TITLE:

Determination of and Internal Stresses According to the Method

of the Control Points

PERIODICAL:

Zavodskaya laboratoriya, 1959, Vol 25, Nr 8, pp 1005-1006 (USSR)

ABSTRACT:

The most reliable determination methods of the absolute internal stresses of sheet metal constructions are the trepanation methods based on cutting out smaller sections of the structure. The method described in this article is of this type and is suitable for the determination of stresses of the first order which are of the greatest importance in large sheet metal structures. The designed instrument consists of an optical comparator and a special puncher (Fig 1). The puncher is a solid disk of steel with three cones arranged to form a deltarosette and made of a hard alloy (from the Rockwell instrument). Under a 2-3 kg pressure three microscopical imprints are made on the surface to be investigated and on the standard sample. The latter is made of the same material as that of the tested sheet metal structure and both are kept at the same temperature

Card 1/2

Determination of the Internal Stresses According to the Method of the Control Points

during several hours. Then they cut out strips (90-100 mm wide) from the sheet metal structure (the stresses of the first order developed at cutting-out are removed) and the distances between the imprints on the strips and on the standard samples are measured in three directions with the optical comparator. The comparison with the standard sample is necessary because of the temperature deformation of the metal. The distances between the imprints are indirectly measured (Fig 2) and the dimension and direction of the stresses is determined by means of an equation. This method was used for stress determination on two large seagoing vessels and can also be applied at reservoirs, bridges, and other structures. There are

Card 2/2

(MIRA 11;1)

1. Tekhnicheskoye uchilishche No.2. (Technical education) "APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065520017-3 CIA-RDP86-00513R00206520017-3 CIA-RDP86-00513R002065200

THE REPORT OF THE PROPERTY OF "APPROVED FOR RELEASE: Thursday, September 26, 2002
APPROVED FOR RELEASE: Thursday, September 26, 2002
2000, I.e. CIA-RDP86-00513R002065520017-3 CIA-RDP86-00513R002065520017-3" Source of strength and good spirit. Sov. profesiusy 17 no.1:33-35 Ja '61. (MIRA 14:1)

1. Predsedatel' Vsesoyuznego soveta Dobrovol'nogo sportivnogo obshchestva profsoyuzov. (Callisthenics) (Industrial hygiene)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065520017-3"

IAVROVA, L., kandidat tekhnicheskikh nauk; DERRUNOVA, A., mladshiy nauchnyy sotrudnik; POLETAYEV, T.; ZUBKOV, I.

Diagrams for salting hams by injection with a hollow needle. Mias. ind. SSSR 26 no. 4:16-17 '55. (MLRA 8:10)

1. Vsesoyuznyy nauchno-issledovatel skiy institut nyasnoy promyshlennosti (for Dergunov and Poletayev). 2. Haster 1-go klassa Moskovskogo (Pork industry) (Meat--Preservation)

22 (1)

SOV/27-59-3-6/37

AUTHOR:

Zubkov, I., Instructor

TITLE:

An Experiment That Deserves Attention (Opyt, zasluzhivayushchiy vnimaniya)

PERIODICAL:

Professional'no-tekhnicheskoye obrazovaniye, 1959, Ir 3, p 6 (U3SR)

ABSTRACT:

The author suggests a change in the organization of the teaching process in technical schools of metal workers. In training turners, grinders, milling machine operators and fitters, these changes will reduce the cost and increase the training quality. The author mentions several themes taught to the students in groups of about 25. He suggests that these themes be presented to several groups of students by the lecturing method, which will be more useful than lessons delivered at individual classes. The author examines the pros and cons of his suggestion and points out that this question should be discussed by the methodological commissions to determine the subjects and method of conducting seminary exercises. A similar discussion and correction of

Card 1/2

APPROVED FOR RELEASE: Thursday, September 26, 2002

APPROVED FOR RELEASE: Thursday, September 26, 2002

An Experiment That Deserves Attention

CIA-RDP86-00513R002065520017-3"

The training programs was carried out at the Tekhnicheskoye (Director Voskoboynikov).

ASSOCIATION: Tekhnicheskoye uchilishche Nr 2, Omsk (Technical School Nr 2, Omsk).

Card 2/2

"APPROVED FOR RELEASE: Thursday, September 26, 2002 APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065520017-3"

27-1-9/19

AUTHOR:

Zubkov, I., Teacher at the Omsk Technical School # 2

TITLE:

Planning of the Teaching Procedure on one Particular Subject (Planirovaniye zanyatiy po odnoy teme)

PERIODICAL:

Professional'no-Tekhnicheskoye Obrazovaniye, 1958, # 1, p 20 (USSR)

ABSTRACT:

The article shows how the teacher at a Soviet technical school is teaching his students (future mechanics for industrial equipment repair) within 28 hours the "General Knowledge of Industrial Equipment Structure".

At first the teacher begins to acquaint his students with separate machine parts, as: axles, spindles, pinions, bearings, etc. Then comes the study of certain standard mechanisms, like crank-connecting rods, link type and cam type mechanisms; tooth, friction and belt gearings; screw-nuts and others. After having familiarized themselves with these mechanisms, the students will better understand the working principles of machine tools. Special attention is drawn to the study of the screw-cutting lathe "I A 62" (or 1 D 62"). Afterwards the students get acquainted with the peculiarities of the machine tools "I K 62",

Card 1/2

Planning of the Teaching Procedure on one Particular Subject 27-1-9/19

"1620", "1 M 620", etc., then with the milling machines "612" and "682" and subsequently with turnet lathes, drilling, boring, planing, grooving, polishing, gear-cutting, gear-grooving machines and finally with automatic and semiautomatic lathes.

Concluding, the author expresses his opinion that it is also necessary to familiarize the future repairmen with internal combustion engines, e.g. with the auto engine "GAZ-51".

AVAILABLE:

Library of Congress

Card 2/2

ZUBKOV, I.

For collaboration in work. Voen. Enan. 32 no. 12:16 D *56. (MANA 10:2)

1. Zaveduyushchiy otdelom fizkul'tury i sporta TSentral'nogo komiteta Vsesoyuznogo Leninskogo kommunisticheskogo soyuza molodezhi.

(Military education)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065520017-3 CIA-RDP86-00513R002065520017-3 CIA-RDP86-00513R002065520017-3

ARDRIANOV, K.A.; ZUBKOV, I.A.; GRINEVICH, K.P.; SHASHKOVA, Z.S.;

KLEYNOVSKAYA, M.A.

Methylfluoroarylchlofosilanes. Zhur.ob.khim. 30 no.10:3380
(MIRA 14:4)

3382 0 161. (Silane)

nice de la company de la c La company de la company d

SHCHERBATENKO, V.V.; MIKULIMSKAYA, L.R.; BEGANSKAYA, L.S.; ZUBKOV, I.A.; GRINEVICH, K.P.

Testing organosilicon compounds for the glasing of bread molds.

(HIEA 15:8)

Trudy TSNIIKHP no.8:82-89 '60.

(Bakers and bakeries—Equipment and supplies)

(Protective coatings)

Torratces

Hore about the wender-tomato. Sad 1 og. No. 2, 1993.

Monthly List of Russian Accessions, Library of Congress June 1983. MECL.

APPROVED FOR RELEASE: Thursday, September 26, 2002

ZUBKOV, I.A.

Production of hammer mark enamels. Plast.massy no.5:40-41 '60.

(Enamel and enameling)

79-2-47/5

JUTHORS:

Andrianov, K. A.; Zubkov, I. A.; Krasovskaya, T. A.; Kleynovskaya, M. A.

TITLE:

Derivation of Polyethylsiloxanes of Linear Structure (Polucheniye

polietilsiloksanov lineynoy struktury)

PERIODICAL:

Zhurnal Obshchey Khimii, 1957, vol 27, No 2, pp. 491-494 (U.S.S.R.)

ABSTRACT:

Report describes the method employed in the synthesis and separation of ethylsiloxane polymers of linear structure with 3 to 5 Si stoms in the molecule. The catalytic regrouping method in the presence of aluminum silicate was used in the derivation of ethylpolysiloxanes of linear structure. Hexaethylcyclotrisiloxane, octaethylcyclotetrasiloxane and hexaethyldisiloxane, were used as the basic substances for the synthesis. The separation of the individual polymers from the hydrolysis products was accomplished by fractionation in a rectification tower with an effectiveness of 20 theoretical plates. During the fractionation of hexaethyldisiloxane, the rate of flow of the liquid was 200-250 ml/hr and the reflux number was 10-15. Rectification of the cyclic polymers was conducted at the same rate of flow of the liquid but the reflux numbers were

Card 1/2

Derivation of Polyethylsiloxanes of Linear Structure 79-2-47/58

25-30. The properties of the products obtained are listed in the tables.

2 tables. There are 6 references, of which I is Slavic

ASSOCIATION:

PRESENTED BY:

SUBMITTED:

February 17, 1956

AVAILABLE:

Library of Congress

Card 2/2

ANDRIANOV, K.A.; ZUBKOV, I.A.; KHASOVSKAYA, T.A.; KIZYNOVSKAYA, M.A.

Preparation of polyethyl siloxanes of linear structure. Zhur. ob. khim. 27 no.2:491-494 F '57. (MLRA 10:6) (Siloxanes) (Polymers)

5(3)

SOV/60-32-4-32/47

AUTHORS:

Andrianov, K.A., Zubkov, I.A., Semenova, V.A. and Mikhaylov, S.I.

TITLE:

The Arylation of Methyldichlorosilane by Aromatic Hydrocarbons (Arilirovaniye metildikhlorsilana aromaticheskimi uglevodorodami)

PERIODICAL:

Zhurnal prikladnoy khimii, 1959, Vol 32, Nr 4, pp 883-888 (USSE)

ABSTRACT:

As the reaction of arylation of alkylhalidesilanes is of extreme technological importance, the authors investigated the arylation of methyldichlorosilane by benzene, toluol, diphenyl and naphthalene, in the presence of boric acid. The interaction of tuluol, diphenyl and naphthalene with methyldichlorosilane in the presence of boric acid resulted in the formation of tolylmethyldichlorosilane, diphenylmethyldichlorosilane and naphthylmethyldichlorosilane. Some physical constants, such as boiling points, densities and refraction indices, were determined for these synthesized compounds

Card 1/2

<u>। र व भव रेसीमा, असेम किस्पन्तियोगाल के एक</u>

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065520017-3 CIA-RDP86-00513R002065520017-3"

SOV/80-32-4-32/47

The Arylation of Methyldichlorosilane by Arcmatic Hydrocarbons

and shown in the tables.

There are 10 tables and 8 references, 1 of which is Soviet, 4

English and 3 American.

SUBMITTED:

December 19, 1957

Card 2/2

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065520017-3 APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065520017-3"

ZUBKOV, I.A., inzh.

Compaction of the trunnions of the gate mechanism of hydraulic turbines. Energomashinostroenie 10 no.4:37-39 Ap 164.
(MIRA 17:6)

SHCHERBATENKO, V.V.; MIKULINSKAYA, L.R.; HEGANSKAYA, L.S.; ZUBKOV, I.A.; GRINEVICH, K.P.; KOTRELEV, V.H.; VOLODIH, P.A.

ZUBKOV, I.A., inzh.

Present-day packing materials and packing techniques. Energomashinostroenie 10 no.4:46 Ap 164. (MIRA 17:6)

GRINEVICH, K.P.; ZHINKIN, D.Ta.; ZUEKOV, I.A.; POPOVA, S.L.; VOLKOV, A.H.

Polymer materials in the fishing industry. Plast.massy no.11:18-19 '60. (MIRA 13:12)

(Polymers) (Fighing Implements and appliances)

s/191/61/000/001/006/015 B101/B205

AUTHORS:

Grinevich, K. P., Zubkov, I. A., Odishariya, S. N.

TITLE:

Synthesis of GKZh-10 and GKZh-11 + hydrophobing organosilicon

liquids

Plasticheskiye massy, no. 1, 1961, 21-22

TEXT: Commercial synthesis of methyl and ethyl chlorosilanes is performed PERIODICAL: by reaction of methyl and ethyl chloride with elementary silicon in the presence of a catalyst. The residue (6-10%) from fractional distillation of the reaction mixture has different compositions. A suggestion has now been made to use the residue for synthesizing [NH-10 (GKZh-10) (sodium ethyl siliconate) and FKH-11 (GKZh-11) (sodium methyl siliconate). The distillation residues were hydrolyzed with water at 45-50 G. The powdery methyl and ethyl silanols thus obtained were treated with solid caustic soda and ethanol at 78-80°C and gave sodium-nethyl and sodium-ethyl siliconates, respectively. GKZh-10 was obtained with equal composition, no matter whether ethyl chlorosilane or a 1:1 mixture of ethyl chlorosilane and ethyl trichlorosilane was hydrolyzed. By calculating the addition of

Card 1/2

814880

53700

only 1273, 2209

\$/079/60/030/010/021/030 B001/B066

11.1250

AUTHORS:

Andrianov, K. A., Zubkov, I. A., Grinevich, K. P.,

Shaahkova, Z. S., and Kleynovakaya, M. A.

TITLE:

Fluoroaryl Methyl Silane Chlorides

PERIODICAL:

Zhurnal obshchey khimii, 1960, Vol. 30, No. 10,

pp. 3380 - 3382

TEXT: The authors of the present paper synthesized some fluoroaryl silane chlorides and studied their reactions with ethyl alcohol. These fluorcaryl silane chlorides were obtained according to the following Scheme:

 $FRBr + Mg \longrightarrow FRMgBr$

FRMgBr + R'SiCl 3 ---> FRSiR'Cl2 (R = alkyl, R' = aryl). According to

this reaction, p-fluorophenyl magnesium bromide and o- and p-fluorobenzyl magnesium bromides were obtained. Irrespective of the high yield of the organomagnesium compound (95-96%), the yields of the end products (p-fluorophenyl methyl silane dichloride, p-fluorophenyl methyl silane

Card 1/2

Fluoroaryl Methyl Silane Chlorides

84880 \$/079/60/030/010/021/030 B001/B066

monochloride, p-fluorobenzyl methyl silane dichloride, o-fluorobenzyl methyl silane dichloride) were only 40-45%. A large quantity of di-(fluoroaryl) methyl silane chlorides and other reaction products formed in this process could not be separated. Table 1 presents the separated and identified compounds along with their constants. Fluoroaryl methyl ethoxy silanes were obtained from compounds synthesized according to the Scheme FRSiR(Cl₂ + $2C_2H_5$ OH --> FRSiR(CCl₂H₅)₂ + 2HCl. This reaction

took place when passing the reactants through a column filled with Raschig glass rings at 60°C. This experimental set up hampered the development of side reactions occurring when alkyl and aryl halogen silanes are esterified, and giving water, HCl, and alcohol. The silanes of p-fluorophenyl methyl diethoxy, o-fluorobenzyl methyl diethoxy, and p-fluorobenzyl methyl diethoxy have thus been synthesized (up to 45% and 6 references: 2 Soviet, 2 Czechoslovakian, 1 US, 1 British, and

SUBMITTED:

October 24, 1959

Card 2/2

ANDRIANOV, K.A.; ZUBKOV, I.A.; SEMENOVA, V.A.; MIKHAYLOV, S.I.

Arylation of methyldichlorosilane by aronatic hydrocarbons. Zhur.prikl.khim. 32 no.4:883-888 Ap 159. (MIRA 12:6)

(Silane) (Arylation)

ZUBKOV, 1.A.

Trimming of mold outflows from automobile tire casings. Kauch.4 (MIRA 18 4) roz. 23 no.11:50-53 N 164.

1. Nauchno-issledovatel skty konstruktorsko-takhnologicheakiy institut shinney promychlennosti, g. Omsk.

CRINEVICH, K.P.; ZUBKOV, I.A.; ODISHARIYA, S.N.

Synthesis of the GKZh-10 and GKZh-11 organosilicum liquida having hydrophobic properties. Plast-massy no.1:21-22 %1. (HIRA 14:2) (Silicon organic compounds)

ZUBKO, I.A., starshiy inzh.

Improved circuit for connecting signal light repeaters. Avtcm., telem. i zviaz' 5 no.4:37 Ap '61. (MIRA 1416)

1. Kovel'skaya distantsiya signalizatsii i svyami L'vovskoy dorogi (Railroads--Signaling)

ZUBKOV, I.A., inch.

Power characteristics of a new mechanism for rotating the blades of a Keplan-type runner. [Trudy] LMC no.4:369-377 *57. (MIRA 11:4) (Hydraulic turbines) (Servomechanisms)

ZUBKOV, I.A.

Training of vulcanizer operators. Nauch. 1 rez. 24 no.5:52-53 My 165. (1854 18:9)

1. Nauchno-isoledovateliskiy konstrukterske-tekhnologicheskiy institut shinnoy promyshlemnosti, g. Osak.

ZUBKOV, I.A., inzh.

Structural features of the seal units of hydraulic turbines. [Trudy] LMZ no.10:253-261 164. (MIRA 18:12)

to at the district of the Cartest and Additional and Additional

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065520017-3 CIA-RDP86-00513R002065520017-3"

ZUBKOV, Ivan Ivanovich, kandidat tekhnicheskikh nauk; UGRYUFOV,A.K., kandidat tekhnicheskikh nauk; BOROVOY,N.Ye., redaktor; VERINA,G.P., tekhnicheskiy redaktor

[Organization of traffic in railroad transportation] Organizatsiia dvizheniia na zheleznodorozhnom transporte. Moskva, Gos. transp. zhel-dor. izd-vo, 1955. 443 p. (MLRA 9:4) (Railroads--Traffic)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065520017-3

06200-(APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065520017-3

CC NR: AP6031748 SOURCE CODE: UR/0191/66/0000 ACC NRI SOURCE CODE: UR/0191/66/000/007/0023/0025 AUTHOR: Zhinkina, L. N.; Vishnevskiy, F. N.; Zhinkim, D. Ya.; Zubkov, I. A. ORG: none TITLE: Reaction of butyl orthotitanate with phenyl methylphosphonochloridate or phosphorus oxychloride SOURCE: Plasticheskiye massy, no. 7, 1966, 23-25 TOPIC TAGS: butyl orthotitanate, phenyl methylphosphonochloridate, PHENYL COMPOUND, POLYMER STRUCTURE, CHEMICAL REACTION ABSTRACT: A study has been made of the reaction of butyl orthotitanate (I) with phenyl methylphosphonochloridate (II) as with phosphorus oxychloride (III). At up to 90C, I and II taken in a 1/3 ratio react as follows: $Ti(OC_4H_9)_4 + 3CH_9PO(OC_9H_9)C1 \longrightarrow$ \longrightarrow Cl₃Ti(OC₄H₉) + 3CH₃PO(OC₄H₉)(OC₄H₆) At above 1000 the reaction products undergo condensation to form a polymer with a titanoxane backbone. The presumed structure of the

678,85+678.868.24

: סמט

Card 1/2

ZUEKOV, Ivan Ivanovich, kand. tekhn. nauk; UGRYUMOV, Arkadiy

Konstantinovich, kand. tekhn. nauk; HERNGAED, K.A., doktor

tekhn. nauk; retsenzent; BOGDANOV, I.A., inzh., retsenzent;

ZHURAVLEV, M.M., inzh., retsenzent; KOZAK, V.A., inzh.,

retsenzent; ROZENBERG, A.D., inzh., retsenzent; RYAZANTSEVA,

Yu.A., inzh., retsenzent; SKALOV, K.Yu., kand. tekhn.nauk,

retsenzent; PREDE, V.Yu., inzh., red.; KHITROVA, N.A., tekhn.

[Traffic organization in railroad transplrtation]Organizatsiia dvizheniia na zheleznodorozhnom transporte. Izd.2., perer. i dop. Moskva, Transzheldorizdat, 1962. 399 p. (MIRA 16:1) (Railrosds—Traffic)

ZUBKOV. I.I., kand.tekhn.nauk

Computation of empty car mileage. Shor.LIIZHT 40.170:87-90 '60.
(NIEA 15:8)

(Railroads--Freight cars)

ZUBKOV, I.I., kand.tekhn.nauk

Specification of calculations for the planning of empty car transfers. Shor. LIIZHT ac.170:91-94 '60. (MIRA 13:8)

(Railroads—Cars)

ZUEKOV, I.I., kand. tekhn. nauk; ROMANOV, A.P., kand. tekhn. nauk; TETEREV, M.N., kand. tekhn. nauk; UCRYUNOV, A.N., kand. tekhn. nauk; KUZ'MIN, N.N., inzh. (g. Leningrad)

"Aspects of railroad operation, Zhel. dor. transp. 41 no.1:94-96
Ja '59. (MIRA 12:1)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065520017-3
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065520017-3"

ZUBKOV, I.I., kand.tekhn.nauk

Remarks concerning the operational requirements for the automation

Remarks concerning the operational requirements for the automation of operations in classification yards. Sbor.trud.LILZHT no.189: 140-159 '62. (MIRA 16:7)

(Railroads-Hump yards) (Automation)

1:

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065520017-3
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065520017-3"

ZUBKOV, I.I., kand.tekhn.nauk, dotsent

Experience in working out the technical procedures at the Leningrad railroad terminal. Sbor. LIIZHT no.153:10-42 58.

(Leningrad -- Railroads -- Yards)

(MIRA 11:8)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065520017-3
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065520017-3"

ZUBKOV, I.I., kand, tekhn.nauk, dotsent

Determining empty car runs. Shor, LIIZHT no. 153:118-123 58.

(Railroads--Management)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065520017-3" CIA-RDP86-00513R002065520017-3"

SMIRNOV, Mikhail Vasil'yevich; BAR', I.S.; ZUBKOV, I.I., nauchary red.

[On Soviet military science] O sovetskoi voennoi nauka. Moskva. Voen.izd-vo. 1960. 333 p. (MIRA 13:11) (Military art and science) <u>्रकार्क प्रकल्प में से सामर्थन प्रोप्तास विभवन व्यवस्था एक वर्ष कर व्यवस्था स</u>

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065520017-3 CIA-RDP86-00513R002065520017-3"

ZIMIN, V.I.; ZUBKOV, I.I., kandidat tekhnicheskikh nauk.

Technological process of operating a rail junction. Zhel.der.tramsp. 37 no.4:55-58 Ap 156. (MLRA 9:7)

1.Glavnyy inzhener Oktyabr'skey deregi (fer Zimin)
(Railreads--Station service)

KORNIYENKO, Daniil Iosifovich, general-mayor,: ZUBKOV, I.I., general-mayor, nauchnyy red.; KAPLUBOV, A.S., red.; BERLOV, A.P., tekhn. red.

[Role of the morale factor in modern war] O roli moral nogo faktora v sovremennoi voine. Moskya, Izd-vo "Znanie," 1958. 47 p. (Vsesoiuznoe obshchestvo po rasprostraneniiu politicheskikh i. nauchnykh znanii. Ser. 1, no. 28). (MIRA 11:11) (Morale)

Interaction of freight and classification yards in junction stations. Zhel.dor.transp. 44 no.4:53-55 Ap '62. (MIRA 15:4) (Railroads--Traffic)

ZUBKOV, I.K., insh.

Unit for making reinforced concrete ceiling slabs with two oval cavities. Biul. tekh. inform. 4 no.5:29-30 My 158. (MIRA 11:8)

1. Stroytrest No.87.

(Concrete slabs)

ZUBKOV, I.K., insh.

Unit for making reinforced concrete ceiling slabs with two oval cavities. Suggested by I.K. Zubkov. Rats.i isobr.predl.v stroi. no.14:59-61 160. (MIRA 13:6)

1. Stroytrast No. 87 Glavleningradstroya, Leningrad, ul. Pirogova, 7. (Congrete slabs)

ZUBKOV, I.K. insh.; CHELNOKOV, Ye.L., inzh.

Experimental apartment house built of rolled panels in the city of Kolpino. Biul. tekh. inform. 5 no.3:3-7 Mr '59.

(MIRA 12:7)

(Kolpino--Apartment houses) (Concrete slabs)

GORUSHKIN, V.I.; ZUBKOV, I.P.; BRUK, I.S., chlen-korrespondent,

Increasing the stability of synchronous generators by controlling the excitation followed by rotor slips and accelerations. Euv.AM SSSR Otd. telch. nauk no.9:1262-1281 S '53. (MERA 6:10)

1. Akademiya nauk SSSR (for Bruk).

(Dynamos -- Alternating current)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065520017-3"
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065520017-3"

NULLKOV, N.S., Forg.: NAZARENEO, I.I., Eng.: ZUEKOV, I.V., Eng.: CFIEMITSKIY, V.S., Ying.

USSR (600)

Kilns, Potary

Problems concerning the Further improvement of rotary kilks
TSement 18 No. 5, 1952.

Monthly List of Russian Accessions, Library of Congress, January 1953, Unclassified.

ZUBKOV, K.

The complete conversion of traction substations to alternating current. Zhil.-kom.khez. 7 no.9:16 '57. (HIRA 10:10)

1.Glavnyy inzhener Upravleniya trolleybusa g. Kalugi. (Electric railroads--Substations)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065520017-3"

ZUBKOV, K., inzh.

Automatic tray with pneumatic hoist. Stroitel' no.2:12 F '58.

(Hoisting machinery)

ZUBKOV, K.

Controling mercury vapors in the operation of traction substations. Zhil.-kom.khoz. 6 no.4:24-26 '56. (MLRA 9:8)

(Electric railroads--Substations)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065520017-3
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065520017-3
ZUBKCV. K. YE., SURNCVO, P. P., MISHEIIII, YU. V.

- USSR (600)
- Glass manufacture
- Mechanization of laborious processes in the production of medical glassware., K. E. Zubkov, P. P. Surnovo, Yu. V. Mishenin., Med. prom., no. 6, 1952.

Monthly List of Russian Accessions, Library of Congress, Fabruary 1953. Unclassified.

sov/72-59-6-11/18

15(2) AUTHORS: Vladychenskaya, V. V., Zubkov, K. Ye.

TITLE:

Improved Construction of Molds for Pressing Plungers and Bushings (Uluchshennaya konstruktsiya form dlya trambovaniya plunzherov i bushingov)

PERIODICAL:

Steklo i keramika, 1959, Nr 6, pp 43 - 45 (USSR)

ABSTRACT:

In a number of glass-works the feeder plungers of automatic glass-molding machines are hand-made by the method of plastic molding although pressed plungers feature certain advantages. The authors of this article developed a new construction of molds for pressing plungers and bushings, i.e. the two-wing construction was replaced by a three-wing construction from which the product can be easier removed. Figure 1 illustrates which the product can be easier removed. Figure 2 shows bushings, the steel mold for pressing plungers, and figure 2 shows bushings, the steel mold for pressing plungers, and figure 1 illustrates followed up by corresponding descriptions. The experiments were followed up by corresponding descriptions. The experiments were positions of which are given. Due to the introduction of the pressing method the output was increased by 1.5 times and the number of defective specimens was reduced. There are 2 figures.

Card 1/2

Improved Construction of Molds for Pressing Plungers and SCV/72-59-6-11/18 Bushings

ASSOCIATION: Solnechnogorskiy stekol'nyy zavod (Solnechnogorsk Glass-Works)

Card 2/2

ZUBKOV K. To

Use of machinery in finishing the neck of glassware with ground glass stoppers. Ked.prom. no.1:38-39 Ja-Kr '55. (MLRA 8:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut meditsinskogo instrumentariya i oborudovaniya.

(GLASS BLOWING AND WORKING)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065520017-3" CIA-RDP86-00513R002065520017-3"

ZUBKOV, L.

In the world of polymers. IUn. tekhn. 2 no.7:7-12 J1 58. (Plastics) (NIRA 11:10)

CIA-RDP86-00513R002065520017 "APPROVED FOR RELEASE: Thursday, September 26, 2002 APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065520017-3" 24(0)-17 20-53-12-6, 21 UPMOLL: Zubkov Tarker ions - Buc, Workers (lony - truzmeniki) PRATODICAL: Tekhnika meledeshi, 1955, pr 12, pp 6-6 (1665) in this popular scientific article the author reports on $\mathbb{R}_{\mathbb{R}}$ LEUIN. UT: ionites referring to a talk with ar. Firill Makalmovich caladze, Candidate of Technical Sciences. Lonite powders can be used in a wide range of application. They have quite a special peculiarity being capable of regenerating, at first. this very capability had restricted their application in wome fields. But after extensive theoretical studies the leviet scientists have succeeded in solving this problem. Chemistr are beginning to give planning orders for the erection of insalting plants. These plants are provided for desalting Lagady saliferous waters in Turkmenistan, Kazakhetan, in the Caspian Jea, and in the Jolar Region. lonites are also used in the dairy industry. Radezhda Wikhaylovna Merozeva. Worker at kafedra analiticheskoy khimii instituta ny asp-nelochnoy promyshlennosti (Chair of Analytical Chemistry at the Institute Card 1/3 of Ment and Dairy insustries), has shown to the author a

the second of the contraction of the

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R002065520017-3 CIA-RDP86-00513R002065520017-3"

lons - Busy Workers

11/1/29-58-12-4/21

simple device that prevents the milk from getting sour. fonites are also used in medicine. With their help it is pensible to prepare, in a most simple and rapid way, such important drugo as streptomycin, surcomygan, biomycin, mbalinio. novocain, and many others. Ionites are employed for the priduction of chempagne, Lugar, sodium chloride, for the proc. sing of cetton, corn and sunflower waste from which valuable chemical products are obtained with the help of loniter. The serve for the collecting of noble metals from the waste waste of metallurgical works. They clean waters of industrial anate water, thus preserving the righ stocks. It is impossible to name all fields where isnites are being used. To the question what ionites really are you will get the enswer that they are polymers, ion-exchange resins, substances similar to syntheseics. All this is true. For the greater part, icnited and the of phenol, melamine, guantaine, formaldehyde, and other canaical substances. In 1935 accentists bried to synthetize ionexchange polymers like those occurring in nature. Lacy obtained artificial ionited effecting a much more intensive lon-exchange than the natural ones. Soulde the objective a exchanging long, the ionitor bave two mere equally important

Sard 2/3

Ions - Busy Workers

207/29-58-12-6/23

Account of the control of the contro

properties: they are mechanically very durable and chemically resistant. By these properties the ionites remain practically unchangeable. In the USSH, the manufacture of ionites is somewhat lagging behind due to the war. But in recent years this lag has been made up for. In the laboratory of a. M. Caladze alone about 2 dozen different ionites have been synthetized. Besides, there is the work done at the Moskovskiy khimiko-tekhnologicheskiy institut imeni Mendeleyeva (Moscow Chemical-Technological Institute ineni Mendeleyev) as well as numerous universities and research centers of the country. How great the importance of ionites is can be seen from the fact that their application in power economy can bring to the State yearly profits amounting to billions. Moreover, the ionites - because of a most simple equipment of apparatus - can be introduced into industry much more easily than any other achievement of modern science. There is 1 figure.

dard 3/3

Takovenko, Z.F., ZUEKO, L.A.

On the wiral ethology of Ecole respiratory diseases. Vop. virus 9 no. 1915-161. Jimbs 161

1. Kdeaskiy institut epidemiologii i mikrobiologii inemi 1.1. Meshnikova.

GURVICH, S.I.; ZUBKOV, L.B.; GALETSKIY, L.S.

Genthelvite from silicified syenites. Dokl. AN SSSR 150 no.5:1123-1121. Je '63. (MIRA 16:8)

1. Predstavleno akademikom D.I.Shcherbakovym. (Syenite) (Genthelvite)

ZUBKOV, L.B.; KNYAZEV, V.N.

Radiometric methods in prospecting for rare metal carbonatite deposits in Siberia. Shor. st. MGION no.1:65-77 '62. (MIRA 16:3) (Siberia--Trace elements) (Radioactive prospecting)